



MB40-VL

Linux-Based Hybrid Biometric Time & Attendance and Access Control Terminal with Visible Light Facial Recognition



Proactive Facial Authentication



New Height of Anti-Spoofing



Speedy Recognition



Wide Pose Angle Acceptance



Touchless for Better Hygiene

Compatible with



Compatible with



MB40-VL is a multi-biometric identification terminal featuring ZKTeco's innovative Visible Light Facial Authentication technology.

With the latest algorithm and visible light facial authentication technologies, the device can recognize a target in the distance from 0.3m to 2m. It will automatically operate when it detects a human face in the detection distance to deliver better authentication quality in terms of speed and accuracy than the previous near-infrared facial authentication terminals.

With the applied Deep Learning algorithm, pose angle tolerance with head rotation to $\pm 25^\circ$ and tilt to $\pm 35^\circ$, and anti-spoofing have been greatly enhanced against dynamic environment and various spoofing attacks. Apart from all these, together with the world's cutting-edge 3D Neuron Fingerprint Algorithm and comprehensive support in mainstream card modules and additional support in WiFi, MB560-VL must be a best fit in various working environments satisfying different customer's needs.

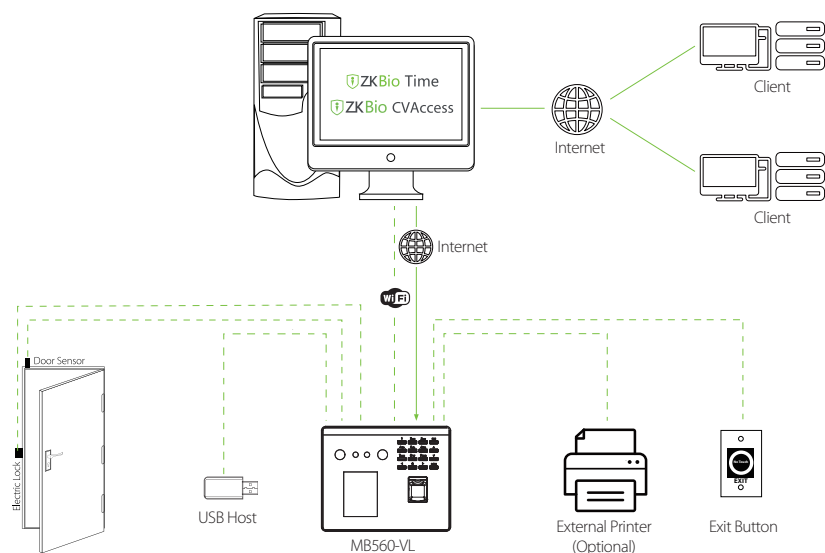
Features

- Visible Light Facial Authentication
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack and 3D mask attack
- Multiple verification methods: Face / Fingerprint / Card / Password
- Card modules: 125KHz ID Card (EM) / 13.56MHz IC Card
- Supplement lighting with adjustable brightness
- TCP / IP network, USB Host and WiFi
- Simple access control

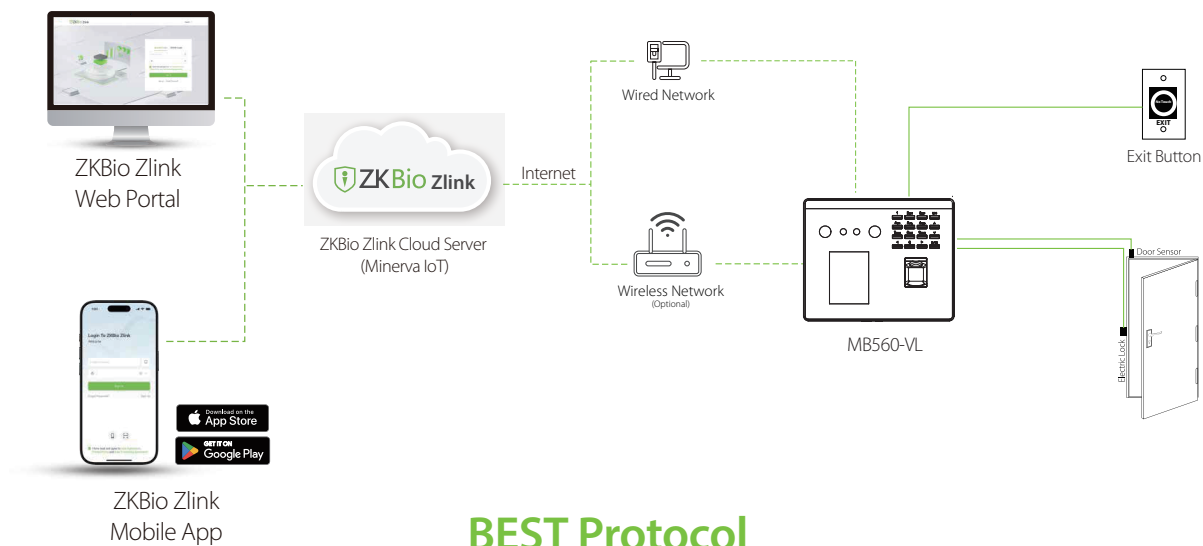
Specifications

Model	MB40-VL
Order ID	AC01-SP07H-P21
Display	2.8"@ TFT Color LCD Screen (240*320)
Camera	Binocular Camera @ 1MP WDR
Operation System	Linux
Hardware	CPU: Dual Core @1.0GHz RAM: 512MB; ROM: 8GB Speaker: 8ohm @1W Supplement Light: Yes Physical Keypad: 16 Keys Fingerprint Sensor: ZK Optical Sensor
Authentication Method	Fingerprint / Face / Card / Password (Physical Keypad)
Fingerprint Template Capacity	3,000
Face Template Capacity	3,000
Card Capacity	10,000 (1: N)
User Capacity	10,000 (1: N)
Transaction Capacity	100,000
Max. User Password Length	8 Digits
Biometric Authentication Speed	less than 0.5 sec (Fingerprint), less than 0.35 sec (Facial Authentication)
Touchless Biometric Authentication Distance	30cm to 200cm (Facial Authentication)
False Acceptance Rate (FAR) %	≤0.01% (Facial Authentication) ≤0.0001% (Fingerprint)
False Rejection Rate (FRR) %	≤0.02% (Facial Authentication) ≤0.01% (Fingerprint)
Biometric Algorithm	ZKFace V4.0 ZKFingerprint V13.0 (Standard) / V10.0 (Optional)
Card Type	Multi-Tech Module Module : ID & IC & DESFire EV1/EV2; (125 kHz & 13.56 MHz Dual Frequency)
Communication	TCP/IP*1 Wi-Fi (IEEE802.11b/g/n/ax)) @ 2.4 GHz Electric Lock*1, Door Sensor*1, Exit Button*1
Standard Functions	ADMS, DST, Work Code, Photo Capture, Event Photo Capture, Up to 14-digit User ID, Record Query, Tamper Switch Alarm, Multiple Verification Methods, T9 Keyboard (Input), HTTPs / SSH Backend Access, Schedule Bell, Automatic Status Switch
Optional Functions	N/A
Power Supply	DC 12V 1.5A
Operating Temperature	0°C to 45°C
Operating Humidity	20% to 80% RH (Non-condensing)
Dimensions	170mm*138mm*38.55mm (L*W*H)
Supported Software	Cloud-based Software: ZKBio Zlink (Supports Web Portal & Mobile App)
Installation	Wall-mount
Certifications	ISO14001, ISO9001, CE, FCC

Configuration



PUSH Protocol



BEST Protocol

Dimensions (mm)

